

Product Description

Bayblock Prime FR is an acrylic emulsion primer for use on air form structures and serves multiple functions in this capacity. First, as a primer on the interior and exterior air forms to enhance adhesion of polyurethane foam, coatings, and other materials such as concrete to the air form. Bayblock Prime FR stops plasticizer migration into the polyurethane foam and other coatings even at elevated temperatures (140°F).

Recommended Uses

The design criteria for Bayblock Prime FR was to eliminate the migration of plasticizer out of PVC fabric into coatings and polyurethane foam. Migrating plasticizer may have detrimental effects on the adhesion of foam and coating to an air form. This effect may become apparent during initial application, or after years of service. The migration of plasticizer into and exterior coating will tend to soften the coating reducing its physical properties and increasing dirt pickup (oily appearance). Elimination of plasticizer migration and forcing plasticizers to be held within the fabric, overall live expectancy may be increased. Bayblock Prime FR may be used on the exterior air forms prior to coating applications to ensure superior adhesion. Initial testing shows high compatibility with acrylic topcoats, however, no testing has been performed with solvent based materials.

A functional use of Bayblock Prime FR is the application to the interior of an air form to enhance adhesion of polyurethane foam. When applied properly Bayblock Prime FR dramatically decreased or eliminates delamination occurring at the air form interface.

Application and Handling

Bayblock Prime FR may be applied by conventional airless spray equipment, medium nap rollers or brushes. Airless spray application is most efficient whereas rolling or brushing may be used for touch up. CONTACT BAYSYSTEMS TECHNICAL PERSONNEL FOR SPECIFIC RECOMMENDATIONS, PRICING AND AVAILABILITY OF SPRAY AND AUXILIARY EQUIPMENT.

Apply Bayblock Prime FR only to clean, dry, sound surfaces free of loose particles or other foreign matter. A test patch is always recommended. Some separation may occur during shipment and storage, therefore, the contents of each container should be thoroughly power mixed for five to ten minutes. Thinning is not recommended. It is recommended that Bayblock Prime FR be sprayed in a single coat applied to a uniform film build. PRIMER APPLICATION MUST BE SUSPENDED IMMEDIATELY AND BAYSYSTEMS TECHNICAL SERVICE PERSONNEL CONTACTED IF THE RESULTS OBTAINED ARE LESS THAN DESIRABLE.

Apply one (1) coat of Bayblock Prime FR at the rate of one (1) gallon per 200-300 square feet per coat. Accentuated surface profiles that increase total surface area will require a proportionate increase in the amount of Bayblock Prime FR to satisfy specified mil thickness.

Wet or liquid Bayblock Prime FR will clean up with water. Dry materials may be cleaned with the following products: NMP, xylene, acetone, general ketones, glycol ether EB, and lacquer thinner (listed in order of effectiveness). (continued)

Typical Physical Properties

Property	Value
Solids by Weight:	65 ± 1%
Application Rate:	300-400 s.f./gal.
Weight per gallon:	8.61 lbs./gal.
Viscosity:	85 KU (Krebs Units)
Recommended Service Temperature:	50-120°F
Number of Components:	One
Color:	Clear/Translucent

Wet Physical Characteristics

Flash Point:	>300°
Shelf Life:	6 months if properly stored
Clean Up:	NMP, xylene, acetone, general ketones, glycol ether EB, lacquer thinner
Thinner:	Not Recommended

Product Reactivity

Dry Time:	90 Minutes @ 8 mils
Tack Free Time:	Remains tack normal
Recoat:	24 hours

Bayblock™ Prime FR

Limitations and Precautions

Bayblock Prime FR is a water based acrylic, which will freeze and become unusable at freezing temperatures. Protect from freezing during shipment and storage. Do not store material at temperatures below 45°F.

Do not apply Bayblock Prime FR when ambient air and substrate temperatures fall below 50°F or when there is a possibility of temperatures dropping below 40°F within a 24 hour period after application. Do not apply over wet substrates or when inclement weather is imminent.

NOTE: Application and drying of any product can reduce the temperature by as much as 20°F due to evaporative cooling (i.e., applying water based material at 50°F can result in a 30°F temperature).

It is extremely important that Bayblock Prime FR is totally cured before proceeding. Total cure may be prolonged drastically by high humidity and cool ambient temperatures.

General Safety, Toxicity, Health Data (continued)

Material Safety Data Sheets are available on this coating material. Any individual who may come in contact with these products should read and understand the M.S.D.S. In case of emergency contact CHEMTREC EMERGENCY NUMBER at 800-424-9300.

WARNING: Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Hypersensitive persons should wear protective clothes, gloves and use protective cream on face, hands and other exposed areas.

CONTAMINATION: Avoid moisture contamination in containers. Containers should not be released if contaminated. Do not attempt to use contaminated materials.

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

RESPIRATORY PROTECTION is MANDATORY! Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application. Contact BaySystems for a copy of the Model Respiratory Protection Program developed by API.

INGESTION: Do not take internally. It is believed that ingestion of polymeric isocyanates would not be fatal to humans, but may cause inflammation of mouth and stomach tissue.

Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

Disclaimer

The data presented herein is not intended for non-professional applicators or those persons who do not purchase or utilize this product in the normal course of their business.

The potential user must perform any pertinent tests in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer. The aforementioned data on this product is to be used as a guide and is subject to change without notice.

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